

Adham Ehab Erfan Mahmoud

Email : engadhamehaberfan@gmail.com | Phone number : +20 1204510329

LinkedIn : <https://www.linkedin.com/in/adham-ehab-2003birth/>

Profile

I am an Electronics and Communication Engineering student at Alexandria University with hands-on experience in digital communication, machine learning, neural network and embedded systems: including AVR and ARM microcontrollers. I am knowledgeable in digital communication and electronics practices and passionate about research and academia. Eager to further develop project management skills and enrich my knowledge.

Work experience

RWS

2025 – Present

Labeling

- Labeled data and do transcripts for audio scripts in both English and Arabic.

Outlier

2024 – 2025

AI Model Trainer

- Trained AI models with focus on mathematics and coding logic, algebra, geometry, trigonometry, calculus, statistics, and problem solving.

Aligner

2024 – 2025

AI developer

- Developing AI models responses (Python scripts , mathematics Olympics , physics)

Education

Alexandria University

Expected 2026

Bachelor's Degree in Electronics and Communication Engineering

GPA : 3.5 Grade : Excellent

Omar bn Hatab School

2021

Thanawya Amma

3rd on school

Internships

University Center for Career Development (UCCD)

2024 – Present

Research and Development Volunteer

- Conducting data analysis, authoring technical reports, and participated in research activities.

Mind Cloud

2023 – Present

Software Engineer

- Working with Raspberry Pi, ROS, LDRs, and sensors; designed multilayer PCBs

SIEMENS

2024 (3 months)

Embedded Systems Intern

- Trained on microcontroller basics, startup code, compilation, and UART/SPI protocols.

- Gained exposure to AUTOSAR.

Hardware Inventors

2023 – 2024

Hardware Trainee Intern

- Trained on PCBs design up to 3 layers. route, and consider EMI/ESD

- Used tools like Altium designer and OrCAD.

Technical Skills

- **Languages:** C, C++
- **Microcontrollers:** AVR, ARM
- **Computer :** MATLAB , Latex ,Microsoft office (Excel, Word, PowerPoint),Labview

Certificates

- **IELTs Academic** Band 6.0
- Embedded Essential course SIEMENS
- CCNA course at ICG
- Programming Fundamentals Coursera

Projects

- **Voice recognition circuit :** identifying some words independent of the person's voice
- **IC tester :** detecting whether the IC is working or not and identify its number
- **Digital filter :** designed a low pass filter with a variable cut off frequency
- **OFDM** system design on MATLAB
- **MIMO** system 2x2 MATLAB simulated